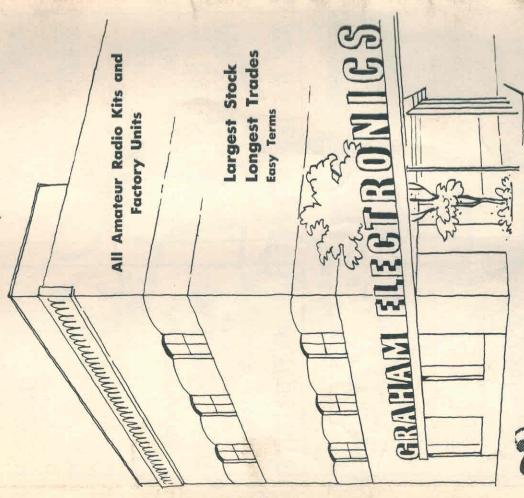
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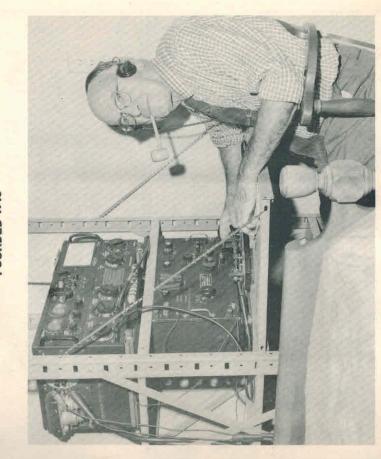
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NOVEMBER 1959

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### AMA-CHEWER STAFF

Amateurs in this area. Non-Members of I.R.C. may subscribe Ama-Chewer is published monthly by and for I.R.C. and all at the rate of \$1.00 per year.

Publication is on the 3rd Friday of each month, with all news items and ads due no later than the 1st Friday of each month. Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50cents per ad Ama-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

November 14th thru 22nd

Hobby Show -- State Fair Grounds

November 27th

Mr. Norm Reddick of the Linde Co. will present a program on the proper use of a

scope and will demonstrate its proper application in testing transmitters, recvr's

Regular Business Meeting and the election of Officers for 1960, CHRISTMAS PARTY December 11th December 18th

Installation of Officers January 8th

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### PROGRAM REVIEW

Operating practices that are followed way, way, up in the spectrum was the theme of a talk and demonstration by Mr. W. R. Williams, W9ZEB, of the Indiana Bell Telephone Co. Engineering Staff.

problems that are encountered in the regions from 10,000 to 30,000 mc. We found that locating a site for a relay point is more than just picking the highest hill, and that engin-(No reflection on the Some of us broke out in a cold sweat as we heard the eers in this field get grey early. yound gent who was our speaker Ed.)

at these frequencies he is bigger and meaner. We also found Our old friend propagation found his way into the talk & that attenuation problems are so acute that heavy rain

the types of emission that are permitted was also discussed The Micro-Wave frequencies allocated to Amateur use and showers are a problem that must be allowed for in design.

frequencies and that more than a small amount of pressure is tries would find it just great if they could have the upper We were also informed that more than one group of indusconstantly being applied in an attempt to get them.

Mr. Williams concluded with a demonstration of Micro-Wave shaping the transmission and amused us all by bending and signals between the transmitter and receiver.

Williams promised to return some meeting nite and answer any more questions for those ready to probe the 30,000mc. range. After the meeting a lot of questions came up, and Mr.

OUR COVER

became a part of the art. In the early days D.J. used the ship to shore radios on the Great Lakes. Many contacts of an amateur nature were made in those days before licensing real pioneer in amateur radio. D. J. Angus first hit the Morse when it was adopted as the standard. His first rig air in 1907 while engineering transmitting equipment for was a pair of 202's in a homebrew rig running 100 watts, Railroad Morse and later switched over to International W9CYQ whose picture is on our cover this month is a and a homebrew receiver.

conventions in Indianapolis, he was responsible for a large 29 as SCM for Indiana. In 1930-32 he was director for the In 1927, he served as president of the IRC and in 1928-Central Division ARRL. During the 1925 and 1940 ARRL part of the success that was attained.

onsibility of procuring needed instruments for planes, tanks, Naval Reserve was ready for sea duty, when the Navy decided Chairman of the WPB instrument section which had the respofficers. He also served during the war in Washington as When World War II started, D. J. as a Lt. Cmdr. in the to assign him, as a navagation expert, to train Navy and ships.

qualified to command ocean going vessels. He operates his own 65 foot boat, the "ANGUS", on Lake Michigan on which D. J. holds a Ships Masters License which means he is many local hams have enjoyed cruises.

year member of the IRC and a Fellow of the American Institute of Electrical Engineers, and is the holder of over 49 D. J. is president of the Esterline-Angus Co. which is a leader in the recording instrument field. He is a 37 patents on various electrical devices.

YMCA, but during last year he moved up on North Delaware, where he can be heard on 40 c.w. and occasionally on fone. For 44 years W9CYQ was heard from the top floor of the

Our cover is honored by a man of varied accomplishments, many friends, and our most senior club member. W9CYO.

### NOTICE TO ALL IRC NEMBERS

Listed below you will find a listing of IRC members who election. If any errors or omissions are noted please are eligible for nomination as officers in the coming notify the club Treasurer, Pat Husk, K9EUQ;

William Bancroft, W9EDE Gerold Bramblett, W9POF Fred E. Billman, K9KKF Rosalie Billman, K9KKG Paul Beckerich, W9SUN A. Bill Hickok, K9AOM Pat Husk, K9EUQ F. E. Kamplain, W9SWR Leslie Bannon, W9ZTD M. C. Bartlett, W9MC W. H. Branche, K9CLO Robert Caskey, W9DNQ Robert Annis, W9CUD Frank Black, W9MNA Joseph Bucek, W92SA Arthur Evans, W9TQC A. W. Larson, W9SRT Gerald Lucas, W9APJ Wade Kingery, W9JGZ Bert Brouse, K9JSF Ralph Bundy, W9MEK Ernest Dell, K90LT D. J. Angus, W9CYQ Frank Fitch, W9EJW Clair Gould, W9AQQ Jack Hofeld, W9VVX Joe Chasey, W9EIV Ben Marcel, K9IUH

Ronald C. Williams, W9JVF Glenn Montgomery, W9HUD John W. McMahan, K9KVZ Gene Van Sickle, W9KJF Elmer McDowell, K9LVQ Doyal McVicker, W9JZV Henry Peterson, W9ZRK Frances Rufner, W90SH Ronald O. Rush, W9TGH Edwin Schaad, Charles Sebree, K9GEE Bob Osterhous, W9PSE Alvey Pittman, W9JJC Merrill Price, W9BZB Claude Richie, W9TKV James G. Thomas, N/C Elmer Shively, K9LNR James Sugioka, W9CKB Julian Witham, W9STC Paul Ralston, K9ALJ Doris Singer, K9IXD Cliff Singer, W9SWD Perry Wefler, W9GAR Mark Rufner, W90SG John Sukup, W9UJY Jack Wells, W9EJP Comer Wolf, W9FLD Ralph Mays, N/C

The following members are eligible to vote but NOT hold office:

Robert Derbyshire, K9LJW Max W. Galloway, K90XA Joseph Lobraico, K900A James Coffey, Kn9SJF

William Sinclair, Kn9QXR John W. Merck, K3GIG/9 Larry Pittman, K9RZF

### THE PRESIDENTS FREQUENCY

Here it is autumn time again and we find ourselves thinking about seeing all the kin folks gathered around the family table upon which Mr. Turkey rules supreme.

sock, and how many gallons of oil will the furnace use this Our thoughts also skip ahead to the prospect of some fine the W1 who sent us the highway information for our vacation year. There is also that odor of roasting hotdawgs in the fireplace and that fresh Indiana popcorn in the great big rabbit hunting, to wondering what Santa will leave in our bowls. Pleasant thoughts to fill our minds during these fine evenings, and no doubt we will find time to give a trouble to work that patch through to Aunt Mable, or to Amateur Radio and the guys and gals that make it tick. thought to that guy in California who went to so much in the East. Just fleeting thoughts of good things, Happy Thanksgiving to all you OM's, XYL's and YL's.

## IRCC PROPOSES 1960 CENTRAL DIVISION CONVENTION

who can bring such a convention to a successful conclusion. So when the time comes, don't stand back and let Joe do it, At the fall meeting of the Indiana Radio Club Council it was left to the newly elected Chairman, John Lamey, W9BDG, of South Bend, to start the ball rolling. This will offer apolis and the 600 plus hams in the area, to put on a big the foundation, and there are capable men in Indianapolis a real opportunity and challenge to the clubs in Indianasometime in the late summer of 1960 at Indianapolis. It show. Publicity--Programs--Prizes, the three "P's", are was voted to hold a convention for the Central Division get in the swim yourself.

The last Central Division Convention was in 1951 at French Lick, Ind. and was a real dinger, so lets put Indianapolis on the map in 1960.

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#### LAST CHANCE

Fairgrounds. The booth of the IRC is a dandy and the Don't forget to get out to the HOBBY SHOW at the whole show is enjoyable for you, Mom and the kids,

#### APOLOGY

Section last month. Frank is in the photography business Larsen, K9HMO who were omitted from the "Hams in Buss" Our sincere apologies to Frank Fitch, W9EJW and Jim

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Tom Jones, W9BVR recently purchased as Hammarlund

HO 110C Receiver.

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SPLATTER

Anybody for 2?? Al Wessel, W9HEX has a fine two meter set-up, including a 16 element array, and is looking for some Tech's up there. Al also has a new 40 and 15 meter antenna. (When did he find time to cut the grass? Ed.)

Did Jim, K9SJF ever finish that 800 watt final, or is all that signal coming from his 75 foot antenna?

The Indiana Fone Net meets at a new time, 18:30 EST

and at 09:00 EST.

A DX-40 and a long wire was enough equipment for Roger, K9UHH to work a DL-4 on 80 meters CW.

600 watts are being assembled into a new SSB final at

the work bench of Jim, K9HMN.

that it will be much easier to find delegates in the future. South Bend wrapped themselves around a home cooked chicken P. S. The cooks name is Jane, alias Mrs. Jacks, alais the dinner at the QTH of Tom Jacks, W9QAX. With things like The three delegates from IRC to the IRCC meeting at

The SX28 that has been idle in the W9JP storeroom has been put to work by Hank, K9LZJ, and we understand it still does itself proud.

Can anyone furnish complete information on the commercial broadcasting station operated by the IRC way back in the "good old days????????

The IRC received a radiogram from WIAW thanking us for the receipt of their Marion County Century Club Cert.

John Doyle, W9GPI (ARRL Central Div.) has the following ask for trouble by ignoring the problem, get a lawyer and idvice for all hams. If you have antenna problems which involve your neighbor and the law, be cautious and don't have him get in touch with the ARRL legal staff.

Younger K9JWY, 50 contacts, and Don, K8EKQ down in Cinn. MCCC stickers issued during the month went to Ken

also picked up his 50 contact sticker.

Did you see that California mobile going through Indpls. on Washington St. with three stacked halo's and a 40 m. whip that mounted on top of the station wagons roof?

(Did anyone work him? Ed.)

have to delay the listing of gear that can be found at the Due to lack of space this month we regret that we will OTH of M9JSF, as promised in last months Splatter.

W9STA, Bob Wallace, has returned from overseas and is on the air with a Gonset II and dipole.

### SPLATTER cont.

up around 53.8 and if you can crank your corn-popper up that wide open spaces of 53mc. The Hy-Banders are holding forth high they would be glad to have you join in on the QRM free A tip of the lid to the guys who have moved up into the

K9SKR, Jan, who has been off the air for over a month is soon to be back looking for the DX with a new Eico xmtr. and a Knight VFO.

weeks she worked T12, CN8, CT1, ON4, GW3, VO2, E19, CO2, EL4, 027, 005 and EA1. Just for the record the rig is a K9PDE, Marty, has been having a ball on 15 m. In two Ranger to a 3 element Hy Gain and a 75A3 receiver.

There are several new members in the Tech High Radio Club, W9HFQ where Garry, W9POF holds sway as the trustee. Three gang is giving Ohms Law a real try and getting nearer the of the members already have tickets and the rest of the big day. The rig is a converted DX100 and a NC300.

Did you see the spread of the Rufner gang in the Sunday paper????

preview of the new Marion County VHF Certificate that will soon be available. Details will appear in the next issue We took a peek into our Publishers briefcase and had a providing the ink on the new wall-paper dries by then.

amateur band during some test operations on the east coast? Did you see where the Army is using a spot in the 2m. Just another sign on the horizon!!!!!!

### NOMINATING COMMITTEE REPORT 1960

The following slate of members was nominated by the nominating committee appointed by the Board of Directors pursuant to that portion of the constitution dealing with elections:

President	Bert Brouse	K9JSF
Vice-President	Bob Osterhous	W9PSE
Secretary	Fred Billman	K9KKF
Treasurer	Pat Husk	K9EUQ
Chief Operator	Ron Williams	W9JVF
1st Director	Frank Black	W9MNA
2nd Director	Ben Marcel	K9IUH

NONINATING COMMITTEE

### WATTS, WATTS AND MORE WATTS

The following information is from a letter received from Ed Black, W9VBH, who is working with the U.S. Dept. of Commerce at the Long Branch Field Station, located at Kilbourne, Illinois.

This station is operated for Radio Propagation studies and much work is being done with various antennas and types of emission. At this time studies are being made of Meteors, Ionospheric Scatter, Frequency Dependence, Radio Astronomy and Meteorology.

At present the station has 18 transmitters ranging from a 3KW job designed and built at the National Bureau of Standards, thru a 5KW Gates, G.E. and Collins rigs at 10 and 20KW, another Collins at 40KW, an RCA at 50KW and (hold your breath) a Continental Electronics at 6 Megawatts.

Antennas range from a 30mc. Rhombic, 1660 feet long on 105 foot wooden poles, to a 107.8mc. Yagi. Most antennas are beamed to the main station at Boulder, Colo. but they do have a Rhombic and Yagi on 49.720mc. that is directed toward the East coast. These two antennas are now in use, the Rhombic from the hour to the half-hour and the Yagi from the half-hour to the hour on a 24 hour per day basis.

The station call, WWI, is sent automatically on each hour and half-hour, at which time the transmitters are off for two minutes for what is called "noise breaks", so that projects can determine how much interference, etc. is present.

Frequencies in use at the present time are 30.005, 30.010, 30.020, 49.640, 49.720, 49.880, 73.680 and 73.880mc. They would appreciate word if anyone hears any of these signals. Frequencies are crystal origin in the 1.0 meg. area and are calibrated to ten to the eighth.

area and are calibrated to ten to the eighth.

This station is quite interesting to a ham and visitors are welcome. With the exception of the maintenance man and one Air Force S/Sgt. the entire staff are hams.

Ed. Black, W9VBH

Ed. Well gang there is a chance to see a whole bunch of watts in one place. W9MNA, Frank, alias the "Fox" can furnish details on how to get to the station.

\*\*\*\*

IRC IS YOUR CLUB--SUPPORT IT BY ATTENDING MEETINGS \* \* \* \* \* \*

## INDIANA RADIO CLUB COUNCIL MEETING

The IRCC meeting at Notre Dame, Oct. 18th, was attended by three IRC delegates, Alvey Pittman-W9JJC, Doyal McVicker-W9JZV and Bob Osterhous-W9PSE. Other local hams present were Doris & Cliff Singer, K9IXD & W9SWD, Bill Hickok-K9AOM, Wayne Damon, Sam Mouran-W9ICI and Bill Johnson-W9BUQ.

John Doyle, W9GPI, Central Division ARRL director, spoke on the Geneva Conference and said that in Group 3 pertaining to Amateur Communications, we are asking for 28,000 to 30,000 Kcs. or asking for an additional 500 kcs. on ten meters, otherwise all same as before on 80, 40, 20, 15.

Doyle also mentioned the severe power limit placed on European "hams" as an example French "hams" are limited to 50 watts and these will remain the same or possibly even become lower.

The 40 meter band is becoming more populated with European broadcast and foreign "hams" use this band on a sharing non-interference basis.

There was a discussion of Citizens Band radio and the possible black eye it might give "ham radio". He cautioned everyone to make specific difference between Citizens Band and Amateur Radio and that any articles appearing in local papers be specific when talking about Citizens Band and not Amateur Radio. QST is going so far as to ban ad's pertaining to Citizens Band radio gear, and particularly to units that are made so cheaply as to be possible trouble makers.

The IRCC meeting came to a close with the election of the following new officials:

W9BDG W9FSA W9PQQ	W9RTH W9CDW W9WTY W9IHO
John Lamey George Kasdorf Al Walters Sam Saar	Adah Elliott Dale Wallace Jack Miller Wm Siebenmorgen
CHAIRMAN VICE CHAIRMAN SECRETARY TREASURER	DIRECTORS

ation, one covering 20-40-80 CW and was a composite rig with feeding into a full wave antenna really would pull the 160 phone and CW was made by Fritz Manning, W9VPN. This unit Olney and St. Clair St's. Two transmitters were in operantenna tuning unit. The second unit covering 80 and 160 In 1939 the club was meeting in the Insley Building at constructing the power supply and Dick Meyer built the RF unit built by Bill Lueth, W9DSC, Bob Caskey, W9DNQ meter DX into Indianapolis.

The Club receiver was the then new RME-69. Around this time Hallicrafter was offering the Super Skyrider and Collins was advertising a Model 20C IKW station.

with a Carbon-Tantalum Anode while Elmac was offering their Eiers and Speech Equipment. Taylor was showing their T-125 were still fairly new and were being used in Audio Ampli-The RK-51 52 series was being pushed by Raytheon. 100th. Heinz and Kaufman had their HK-154, and Hytron a OST was showing transmitters using Beam Power Tubes in the output stage, and 616 Crystal Exciters. Metal tubes

on 56 mc. National at the same time was writing off the SW3 as a receiver that had seen its day and acknowledging that of a converter ahead of the National SW3 receiver for use the Superhet was here to stay for Amateur Communications. Bryan Goodman of ARRL Headquarters was showing the use

mobile in a big way. About this time all the mags were full Delco-Remy was offering a heavy duty generator for mobile use and hams were beginning to turn from portable rigs to of articles on Radio Control of model airplanes.

first Interamerican Radio Conference that had been held to encourage Amateur Radio, set up message interchange, and Things were starting to set to the pattern set at the standardize the phone bands.

The RCA Iconscope was being offered for Amateur TV (Oh Happy Day) and at the convention held here in 1940 a Amateur TV set was to be displayed.

Harry Miller W9AB was SCM and reporting the activities of the gang in Indiana.

That's it for this time, see you next month,

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Val Thompson, W91GP has a new GSB-1 Technical Materials SSB adaptor.

#### S.S.B. NET

The Indiana Side Band Net will soon be one year old, with a busy and growing twelve months of service and enjoyment under its diaper. This net meets every night of the year on 3920 kc. at 19:30 E.S.T.

beat the Net Control Station frequency very carefully. Now They are able through their connections with other interstate nets to handle most traffic. One requirement is made of all stations calling into the net, and that is to zero some night and join in on the business of getting the word that you have the time and frequency, drop in on the gang from here to there.

time around, providing our reporter was able to understand (Ed.) The S.S.B. gang held their second annual dinner on the 14th of November, and we will report the details next the language.)

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### FCC EXTRA ADVANCED LICENSE

A surprising and welcome amount of interest has been shown in response to the FCC announcement that they would welcome opinions on what could be done to induce more operators to obtain the Extra Advanced Ticket.

The majority of puslished suggestions seem to want two a examination every 5 years???? Why???? Here is your chance letter calls or some means of identification. One brave conditions on the bands. Ed.) Would you object to taking reexamination every 5 years, except to holders of Extra soul came up with a completely new approach-to require Advanced. (and we have been worrying about the crowded to have your say on how you think on this matter.

\*\*\*

## WHAT'S COOKIN IN INDIANA HAM CIRCLES

tion in for the BISON. At a buck and a quarter a year you in on all the rag-chews, don't dispare, get your subscripwill set you up in business real quick. If you don't know answers, don't hang up, as Cliff the OM will see that your can't go wrong. Your local contact is Doris, K9IXD, who If you find that you just can't seem to keep up on who is doing what in Indiana, and you can't find time to set Doris, just call FL 7 1596 and ask for Butch. If a man subscription is taken care of.

#### TECH, TOPICS

field strength meter to help answer the question, "How Last month we showed you the schematic for a simple am I getting out?"

coupled to the transmitter to indicate maximum output which in turn is related to proper tuning of the various stages. If it is used several wavelengths from an antenna it will This simple untuned field strength meter may be loosely also indicate relative field strength.

made longer or shorter as required. Sensitivity increases any frequency, so it is necessary to be sure that you are Since there are no tuning adjustments it will indicate on In order to control sensitivity, the pick-up rods may be tuning to the right frequency, for this instrument will strength meter to make it become a simple wavemeter or with an increase in frequency due to the natural high indicate maximum output regardless of the frequency. Next month we will add a tuned circuit to our field resonant frequency of the rods. frequency meter.

\* \* \* \* \* \* \*

#### HAM ADS

\$ 50.00 Marvin Mincer, W9HJH plug, complete-----Meisner Signal Shifter-----indicators wi. trans., with special Pitch Motor Wi. Trans., 2 selyson 20M Hi-Lite 3 Element Beam, Prop FOR SALE:

Joe Labraico, K900A Final, Dynamotor Driven at 12 v.----Converter, Stancor Trans. Wi. 2E26 Gonset Super-Ceiver with Gonset 6 FOR SALE:

CL 5 7939

Warranty Card-NEVER USED-Cash Price-- \$180.00 Jack Hofeld, W9VVX Hammarlund HO-110C -- Brand New-With OR TRADE:

WANTED TO BORROW:

Alvey Pittman, W9JJC Heathkit 03 Scope Handbook

### WANTED-A HOME FOR DX-QSL CARDS

unload. Sooooo, if you have had some DX over the rig in the his ears" and that he is in bad need of some self-addressed established custom, makes him the custodian of thousands of past few years, let Julian know who and where you are. Send Chewer to inform everyone that he has cards "coming out of whose home QTH is Flossmoor, Ill. Julian is a QSL Manager for the ARRL in the "9" call area, which through a long envelopes from the stations in this area, so that he can unclaimed cards. It is no surprise that he has ask Ama-We are in receipt of a card from Julian F. Oberg, W9DSO, your self-addressed envelopes-WITH STAMPS- to Julian F. Oberg, W9DSO, 2601 Gordon Drive, Flossmoor, Illinois.

\*\*\*\*

satisfying as anything you could ask for. Actually we were armed with statistics-logic-tears-samples and a blackjack and never had a chance to use them. The support was just The response to our advertising program was just about as brings the paper to you -- so tell them you "Saw It In the their advertising to you in this area is effective. It what you would expect when hams get together. We hope Ama-Chewer" when you use their services.

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### 1916 CALL BOOK

runs the CQ Motel at Kokomo, listed 56 calls of Indianapo-A note in the mail from Nobe Watson, W9RUC-now W9WE, who lis Hams in the 1916 Department of Commerce Call Book. It would seem that QRM is not new after all !!!

### 3RD PARTY TRAFFIC

Before you hook up your patch to let Uncle Louie talk to that friend on Passion Island, let us remind you that only the following countries permit 3rd party traffic with hams in the good old U.S.A.

	VE Canada	TI Costa Ric	YN Nicaragua	HP Panama	XE Mexico	at will probabl
			S STATE OF STATE OF	THURSDAY .		onser. but th
)	Chile	Cuba	Liberia	Ecuado	Peru	t isn't 1
	CE	00	EL	HC	OA	he list

remedied only when the reciprocal agreements on the issuance of amateur licenses are settled. To bad the lis

### GRAHAM'S SPECIAL FOR THE MONTH

\$199.00	Glass antenna with Loading Coil and Chain Bumper Mount, Mike, Coax. Relay, Inter- connecting Gables, etc.
	Supply. Gonset Super 12 Converter, Fiber
	Complete used Mobile in EXCELLENT condition
\$225.00	Used Hallicrafter SX100 Rec'vr, VERY CLEAN
\$ 82.50	Used National NC-98 Receiver
\$105.00	Used Johnson 6N2 Transmitter
\$ 95.00	from \$119,95
	New Hallicrafter S-85 Receiver reduced

#### \* \* \* \* \* \* \*

### 283 MINUS 4 EQUALS ?????

Due to limited budget monies (You married folks know about that) the FCC finds that it must maintain its policy of giving Conditional Class licenses to hams living more than 75 miles from an established examining point.

Madison, Wisc. is over 75 miles from Milwaukee which is the closest examining point. A local ham dealer there came up with the idea of ham gear in a package namely you buy your gear here and we will give you your Conditional Exam.

It was a pleasure for all with 283 happy ticket holders and a dealer with an inventory of just about zero.

Using his ears both physical and electrical to good advantage our dear uncle sent in a monitoring truck and the crew never heard so much in so many wrong places in their life. So out went the letters from Chicago stating a time and place where examinations would be given. Back came the letters with excuses ranging from "being out of town" to "being extra busy sloppin the hogs." This kinda raised the wig off of uncles head and out go the letters again stating in no uncertain terms send in your ticket or take the exam. in Madison at the time listed.

After quite a struggle all the exams were taken and "Old Unk" totaled up the score to find that he now had 4 hams and 279 TV viewers. The FCC pocket book is kinda small but remember gang it doesn't take much gas to run a truck down here from Chicago.

#### 米米米米米米

Melvin Martin, K9PQP, is on the air with a Johnson 6n2 Transmitter.

#### THE FCC SAYS

The following is from the FCC General Information
Bulletin #77504 and it was written as a reply to many requests. After reading it, lets hope they don't decide to have a full scale study, as the line on the paycheck stub that says "Federal Income Tax" will get bigger than the "Net Pay."

The FCC receives frequent inquiries about the "youngest" and "oldest" amateur radio operators.

Such questions cannot be answered exactly because selfstyled "hams" hold nearly 200,000 licenses, their records are voluminous and in a constant state of flux, they encompass six classes of operators entending from beginners to old-timers, and, of course, the ages of these license holders never remain static.

However, some indication of the age range of amateurs is shown in the following examples (by no means complete) gleaned from the Commission's records:

Though blind since birth, John M. Fearon qualified for a general class license in 1952 when only seven years old. In that same year, Leonard Ross, of the same age, became a novice licensee.

Not to be outdone, a seven-year-old girl, Sharon L. Perkins, received her novice license the following year. However, in the early days of the FCC, another girl, Jean Hudson, passed the then required operator test at the age of eight. In 1956 still another girl, Elizabeth A. Deck, obtained a technician class license at the age of nine. Ten-year-old Jane Bieberman became a ham in 1948.

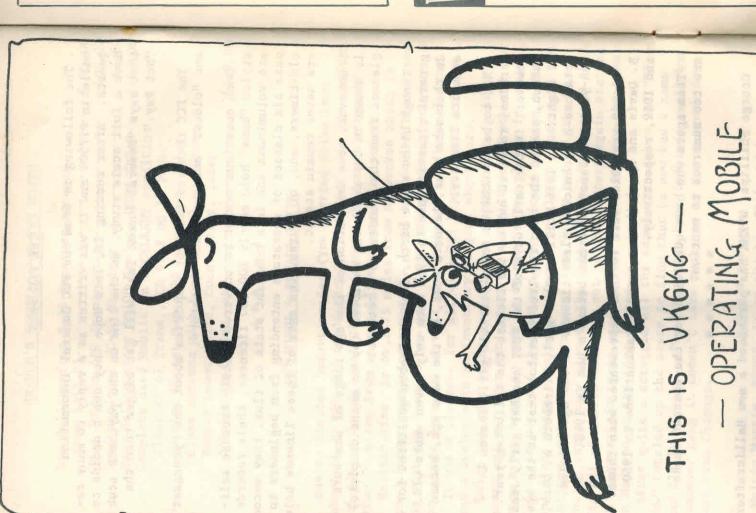
Eleven-year-olds were further represented when Thomas B. Davis and Lynch Morgan passed examinations in 1950 and 1952, respectively.

Teen-agers who have qualified for the amateur ranks are too numerous to mention.

\*\*\*\*

George Phillips, W9EMK has purchased a new Hallicrafter SX-101 Mark III A, Receiver.

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